



CLIENT NAME: AETNA/PARTNER WITH INFOSYS

Aetna is a leading personal lines insurer in the U.S. The company sells 13 major lines of insurance, including auto, property, life and commercial, and has revenues of more than \$35 billion dollars.

CHALLENGES:

The client wanted to provide customers with an improved business transaction platform. The company had to replace its ageing legacy platform with a sophisticated service-oriented architecture (SOA) and component-based application. Infosys partnered with Akvarr to provide an end-to-end testing solution for the existing legacy applications and the new web-based application. The lack of complete test coverage and incomplete execution and analysis of the regression test bed caused risks to the quality of the data for Aetna.

SOLUTIONS:

Akvarr's approach to advanced testing focused on the reduction in cycle time. Akvarr achieved it through extensive automation and testing tools usage. Since the client was not familiar with an outsourced testing delivery model, we helped set up an onshore team and transitioned services from an onsite-centric delivery model to maximize offshore delivery. This helped successfully carry out manual and automated functional testing of the legacy systems and the web-based application in record time.

We helped Aetna to develop automation regression testing plans and automated 80 % of their applications. It helped in widening the test coverage for the back-end system used by the application. To help the business team reduce the time it took to create data sheets, our team created VB-Macro for test data sheet generation. In addition, we created various Excel macros to help the system testing and UAT teams.

We also helped establish change management, release management, project estimation, and slotting and communication processes so that they can be easily adhered to. It contributed substantially to the overall procedures and helped the testing process to be effective and sustainable.

RESULTS:

- Vast amount of testing delivered on time, resulting in increased efficiency and fewer production defects.
- Automated test execution percentage increased from 60% to 95% in the regression test bed.
- Development of new tools to automate data-related verification led to reduction in manual errors and higher percentage of defects identified in the early stages of testing.
- Lower total cost of ownership and improvements in test case scripting and execution productivity.
- Effective knowledge management methodology that reduced training time
- Enhanced status reporting comprised of a monthly metrics dashboard tracked progress more efficiently.